

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/725843

Source: IFNU

Date Processed by STIC: 11-30-4

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IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/725,843

DATE: 11/30/2004

TIME: 15:35:56

Input Set : N:\Crf3\RULE60\10725843.raw
 Output Set: N:\CRF4\11302004\J725843.raw

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1 <110> APPLICANT: Novo Nordisk Pharmaceuticals, Inc.
2   Pingel, Hans K
3   Klausen, Niels K
4 <120> TITLE OF INVENTION: Factor VII Glycoforms
5 <130> FILE REFERENCE: 6207.510-US
6 <140> CURRENT APPLICATION NUMBER: US/10/725,843
7 <141> CURRENT FILING DATE: 2003-10-02
8 <150> PRIOR APPLICATION NUMBER: US/09/969,357
9 <151> PRIOR FILING DATE: 2001-10-02
10 <150> PRIOR APPLICATION NUMBER: Danish Application No. PA 2000 01456
11 <151> PRIOR FILING DATE: 2000-10-02
12 <150> PRIOR APPLICATION NUMBER: Danish Applicatin No. PA 2001 00262
13 <151> PRIOR FILING DATE: 2001-02-16
14 <150> PRIOR APPLICATION NUMBER: Danish Application No. PA 2001 00430
15 <151> PRIOR FILING DATE: 2001-03-14
16 <150> PRIOR APPLICATION NUMBER: Danish Application No. PA 2001 00751
17 <151> PRIOR FILING DATE: 2001-05-14
18 <150> PRIOR APPLICATION NUMBER: US 60/238,944
19 <151> PRIOR FILING DATE: 2000-10-10
20 <150> PRIOR APPLICATION NUMBER: US 60/271,581
21 <151> PRIOR FILING DATE: 2001-02-26
22 <150> PRIOR APPLICATION NUMBER: US 60/276,322
23 <151> PRIOR FILING DATE: 2001-03-16
24 <160> NUMBER OF SEQ ID NOS: 3
25 <170> SOFTWARE: PatentIn version 3.3
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 30
29 <212> TYPE: DNA
30 <213> ORGANISM: Artificial
31 <220> FEATURE:
32 <223> OTHER INFORMATION: Synthetic
33 <400> SEQUENCE: 1
34      agcgtttag cgccggcgcc ggtgcaggac
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 38
38 <212> TYPE: DNA
39 <213> ORGANISM: Artificial
40 <220> FEATURE:
41 <223> OTHER INFORMATION: Synthetic
42 <400> SEQUENCE: 2
43      cggccggcgct aaaacgcttt cctggaggag ctgcggcc
45 <210> SEQ ID NO: 3
46 <211> LENGTH: 406

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30

38

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Input Set : N:\Crf3\RULE60\10725843.raw
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47 <212> TYPE: PRT
48 <213> ORGANISM: Homo sapiens
49 <220> FEATURE:
W--> 50 <221> NAME/KEY: MISC FEATURE
51 <222> LOCATION: (1)...(406)
52 <223> OTHER INFORMATION: Xaa=Gamma Carboxyglutamic Acid
53 <400> SEQUENCE: 3
W--> 54 Ala Asn Ala Phe Leu Xaa Xaa Leu Arg Pro Gly Ser Leu Xaa Arg Xaa
55 1 5 10 15
56 Cys Lys Xaa Xaa Gln Cys Ser Phe Xaa Xaa Ala Arg Xaa Ile Phe Lys
57 20 25 30
58 Asp Ala Xaa Arg Thr Lys Leu Phe Trp Ile Ser Tyr Ser Asp Gly Asp
59 35 40 45
60 Gln Cys Ala Ser Ser Pro Cys Gln Asn Gly Gly Ser Cys Lys Asp Gln
61 50 55 60
62 Leu Gln Ser Tyr Ile Cys Phe Cys Leu Pro Ala Phe Glu Gly Arg Asn
63 65 70 75 80
64 Cys Glu Thr His Lys Asp Asp Gln Leu Ile Cys Val Asn Glu Asn Gly
65 85 90 95
66 Gly Cys Glu Gln Tyr Cys Ser Asp His Thr Gly Thr Lys Arg Ser Cys
67 100 105 110
68 Arg Cys His Glu Gly Tyr Ser Leu Leu Ala Asp Gly Val Ser Cys Thr
69 115 120 125
70 Pro Thr Val Glu Tyr Pro Cys Gly Lys Ile Pro Ile Leu Glu Lys Arg
71 130 135 140
72 Asn Ala Ser Lys Pro Gln Gly Arg Ile Val Gly Gly Lys Val Cys Pro
73 145 150 155 160
74 Lys Gly Glu Cys Pro Trp Gln Val Leu Leu Val Asn Gly Ala Gln
75 165 170 175
76 Leu Cys Gly Gly Thr Leu Ile Asn Thr Ile Trp Val Val Ser Ala Ala
77 180 185 190
78 His Cys Phe Asp Lys Ile Lys Asn Trp Arg Asn Leu Ile Ala Val Leu
79 195 200 205
80 Gly Glu His Asp Leu Ser Glu His Asp Gly Asp Glu Gln Ser Arg Arg
81 210 215 220
82 Val Ala Gln Val Ile Ile Pro Ser Thr Tyr Val Pro Gly Thr Thr Asn
83 225 230 235 240
84 His Asp Ile Ala Leu Leu Arg Leu His Gln Pro Val Val Leu Thr Asp
85 245 250 255
86 His Val Val Pro Leu Cys Leu Pro Glu Arg Thr Phe Ser Glu Arg Thr
87 260 265 270
88 Leu Ala Phe Val Arg Phe Ser Leu Val Ser Gly Trp Gly Gln Leu Leu
89 275 280 285
90 Asp Arg Gly Ala Thr Ala Leu Glu Leu Met Val Leu Asn Val Pro Arg
91 290 295 300
92 Leu Met Thr Gln Asp Cys Leu Gln Gln Ser Arg Lys Val Gly Asp Ser
93 305 310 315 320
94 Pro Asn Ile Thr Glu Tyr Met Phe Cys Ala Gly Tyr Ser Asp Gly Ser
95 325 330 335

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Input Set : N:\Crf3\RULE60\10725843.raw
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96 Lys Asp Ser Cys Lys Gly Asp Ser Gly Gly Pro His Ala Thr His Tyr
97 340 345 350
98 Arg Gly Thr Trp Tyr Leu Thr Gly Ile Val Ser Trp Gly Gln Gly Cys
99 355 360 365
100 Ala Thr Val Gly His Phe Gly Val Tyr Thr Arg Val Ser Gln Tyr Ile
101 370 375 380
102 Glu Trp Leu Gln Lys Leu Met Arg Ser Glu Pro Arg Pro Gly Val Leu
103 385 390 395 400
104 Leu Arg Ala Pro Phe Pro
105 405

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 11/30/2004
PATENT APPLICATION: US/10/725,843 TIME: 15:35:57

Input Set : N:\Crf3\RULE60\10725843.raw
Output Set: N:\CRF4\11302004\J725843.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; Xaa Pos. 6,7,14,16,19,20,25,26,29,35

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/725,843

DATE: 11/30/2004

TIME: 15:35:57

Input Set : N:\Crf3\RULE60\10725843.raw
Output Set: N:\CRF4\11302004\J725843.raw

L:50 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
M:341 Repeated in SeqNo=3